Cytometer Baseline Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/07/2022 10:19 AM
Tube Loaded Manually:	Yes		
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)		

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	PMTV	New Target Value	Old Target Value	Bright Bead %Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV	Dim Bead Median Channel	Dim Bead % Robust CV
Blue	FSC	FSC	569	125000	125000	1.33	134384	1.33	25996	1.67
Blue	F	SSC	528	125000	125000	2.84	139547	2.70	62105	1.53
Blue	E	FITC	491	15860	14321	2.15	386	13.18	60	52.95
Blue	D	PE	496	27718	25321	1.65	645	10.19	125	37.07
Blue	B	PerCP-Cy5-5	589	38046	37127	2.87	1039	14.50	143	43.00
Blue	A	PE-Cy7	632	26092	24712	4.70	515	30.89	65	90.25
Red	C	APC	581	49104	49381	2.73	1722	11.24	332	25.88
Red	A	APC-Cy7	555	28201	29319	3.07	744	12.27	100	41.08
Violet	B	V450	458	9904	9358	3.24	549	11.50	89	49.42
Violet	A	V500	469	39004	39828	2.86	1018	8.55	127	33.39

Detector Settings (Continued)

Laser	Detector	Parameter	Linearity Min Channel	Linearity Max Channel	Slope	Intercept	Electronic Noise Robust SD	Qr	Br
Blue	FSC	FSC	N/A	N/A	0.0040	2.9	N/A	N/A	N/A
Blue	F	SSC	N/A	N/A	6.8256	-13.4	N/A	N/A	N/A
Blue	E	FITC	47	247206	7.3247	-15.5	25.4	0.0512	100
Blue	D	PE	65	245985	7.2500	-15.1	25.4	0.4110	275
Blue	B	PerCP-Cy5-5	139	240313	7.3164	-15.7	25.5	0.0208	59
Blue	A	PE-Cy7	45	238050	7.4371	-16.4	24.4	0.0207	0
Red	C	APC	136	243615	7.3895	-15.7	20.6	0.0290	143
Red	A	APC-Cy7	66	243327	7.4369	-16.0	18.9	0.0061	926
Violet	B	V450	83	246301	7.3828	-15.6	18.8	0.0583	2314
Violet	A	V500	79	244995	7.5683	-15.6	18.8	0.0271	1599

Specifications

Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.92	-31.68	1.15
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	14.41	13.90 - 20.86	N/A	N/A	30.14	30.20	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 14258

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments

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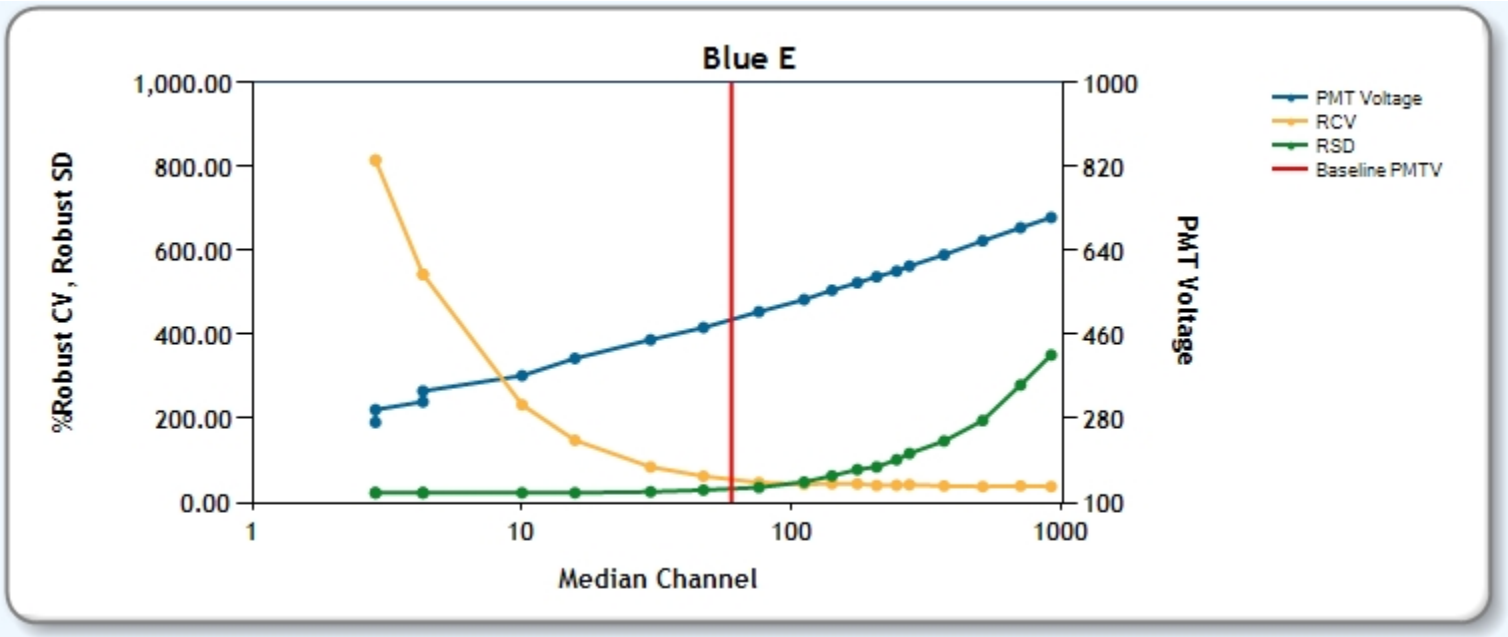
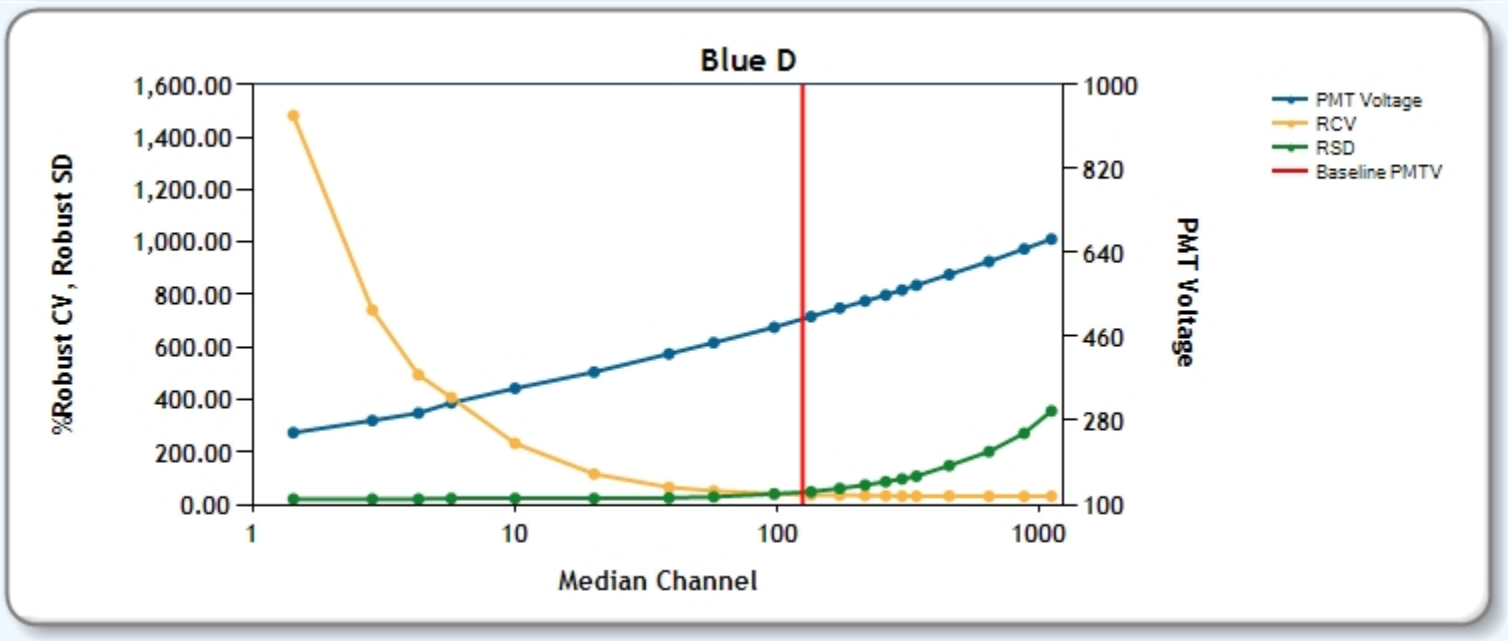
PMTV Optimization Results





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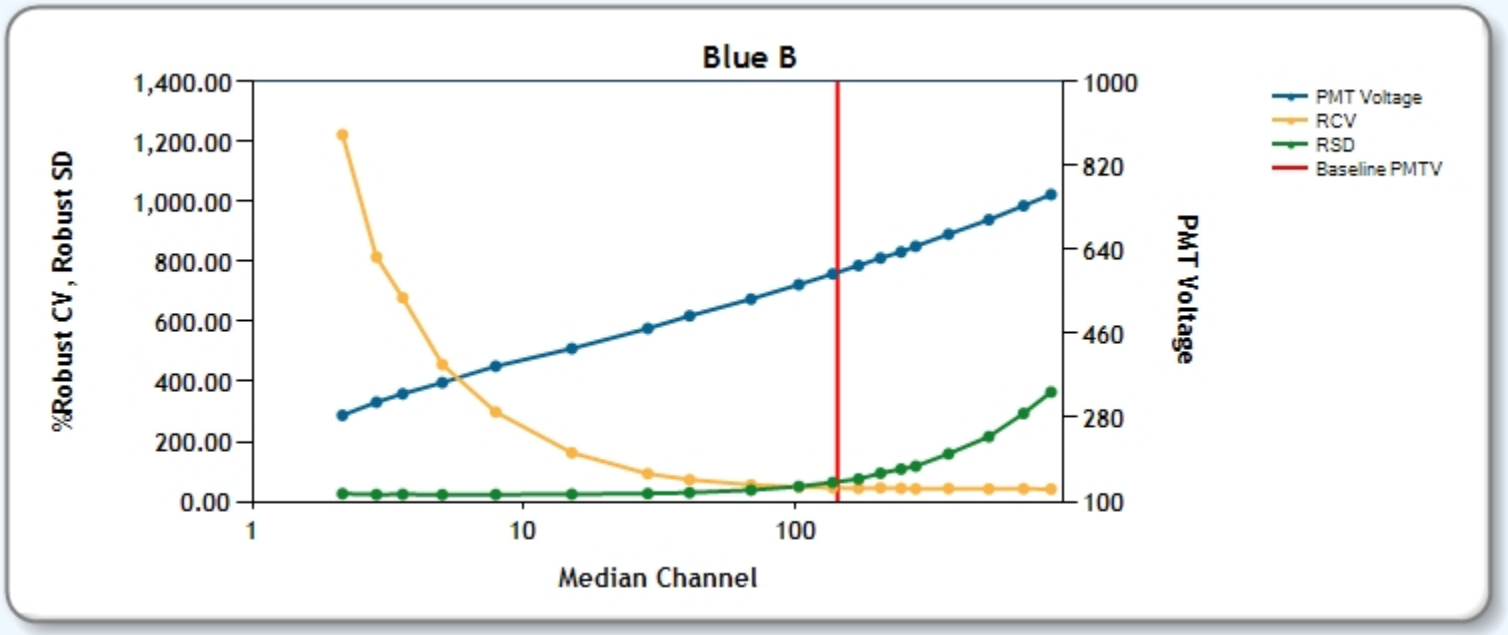

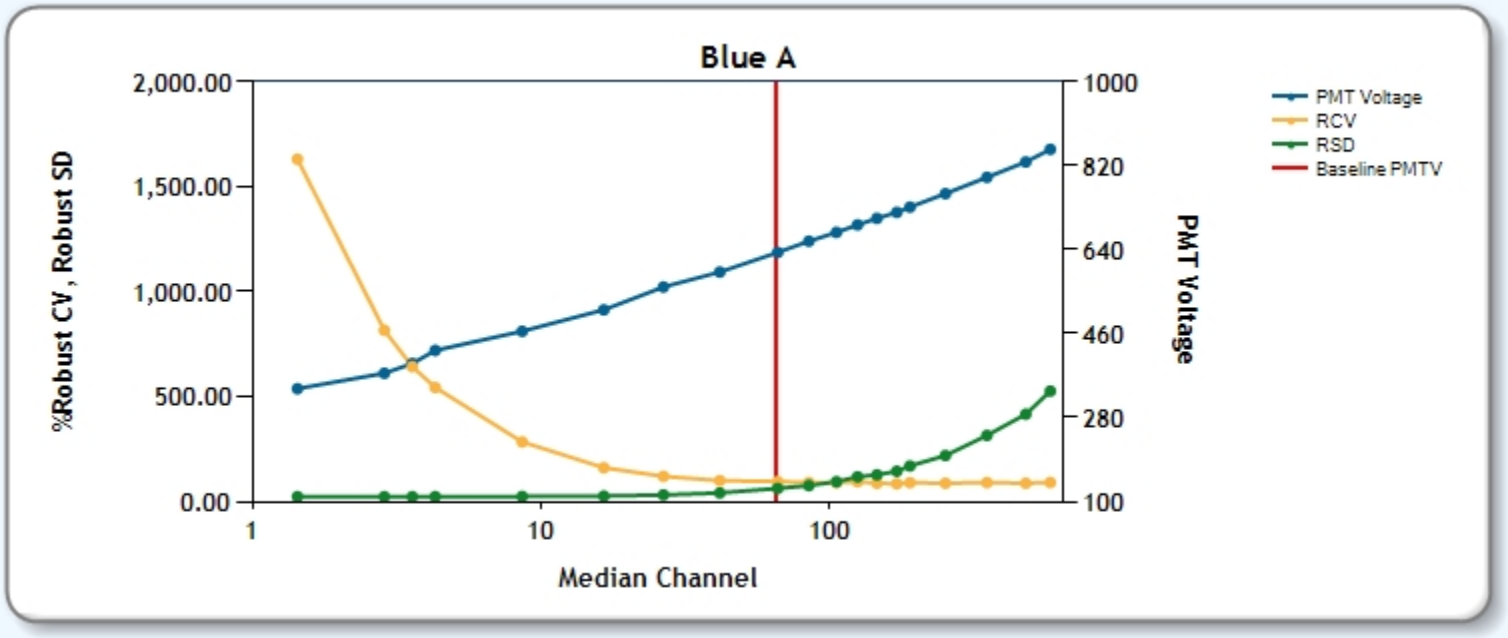

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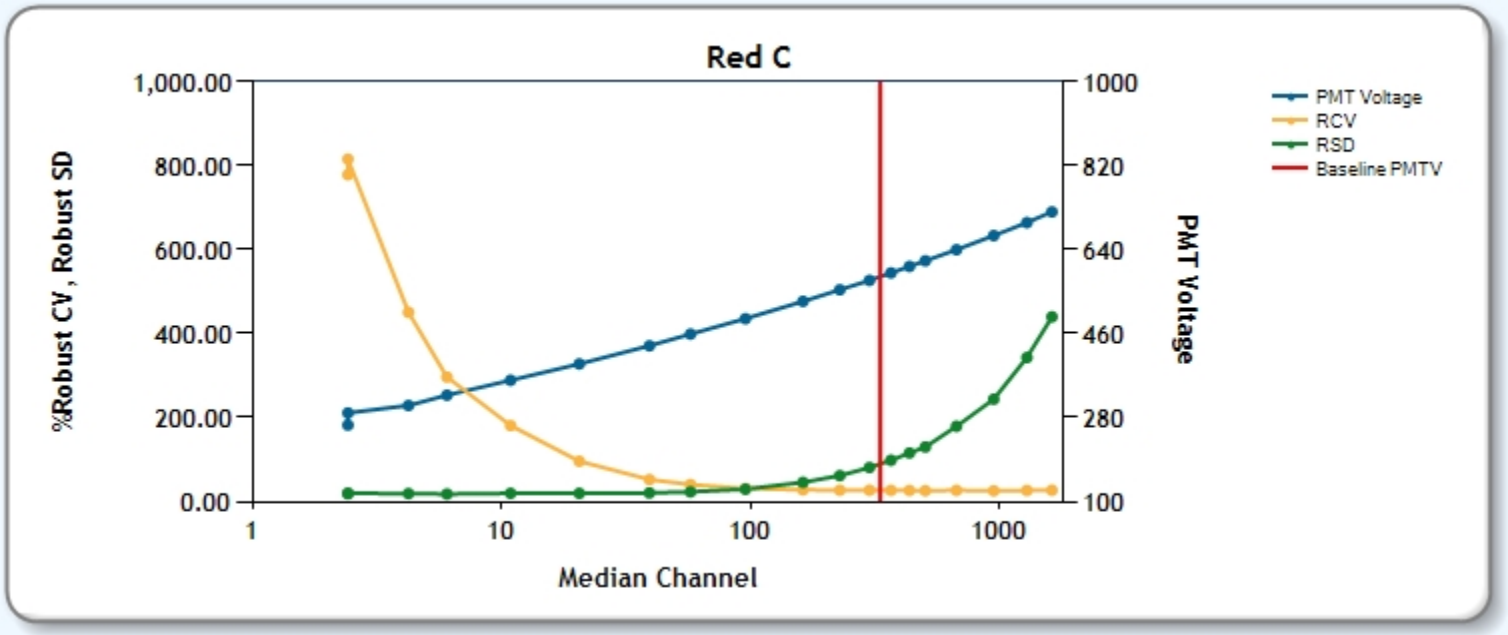

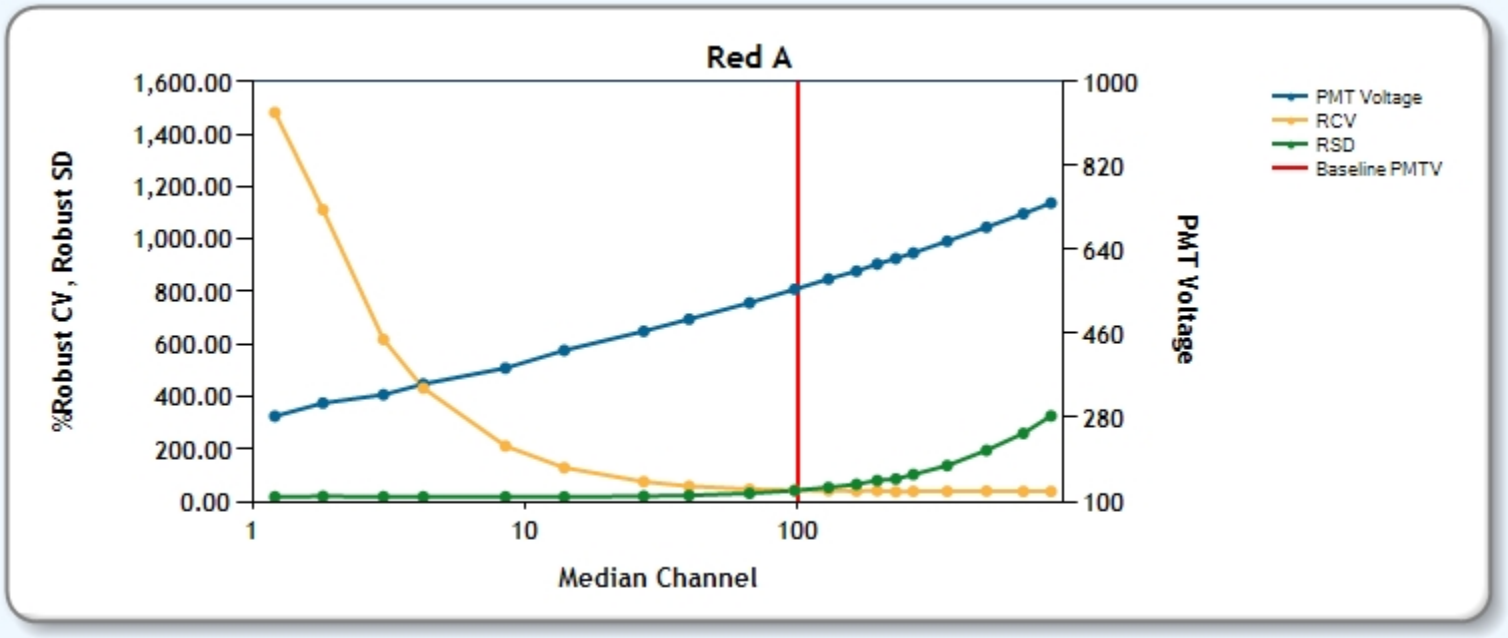

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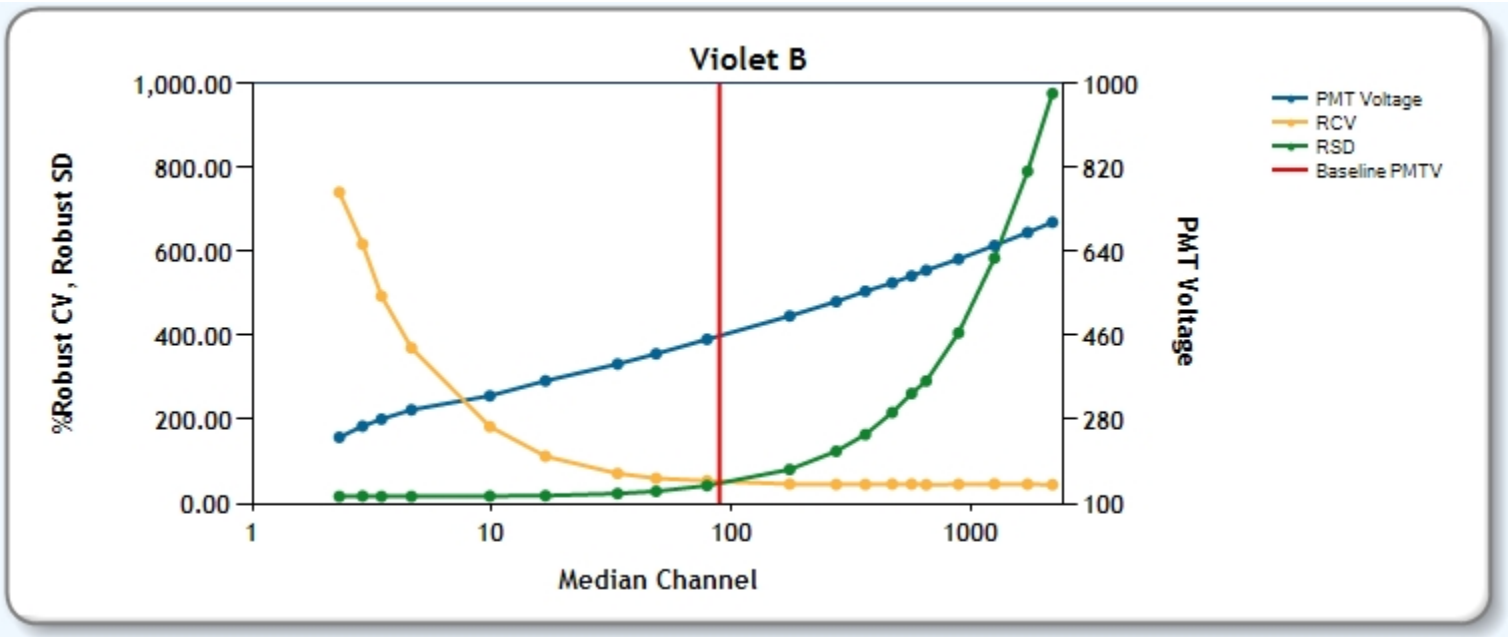

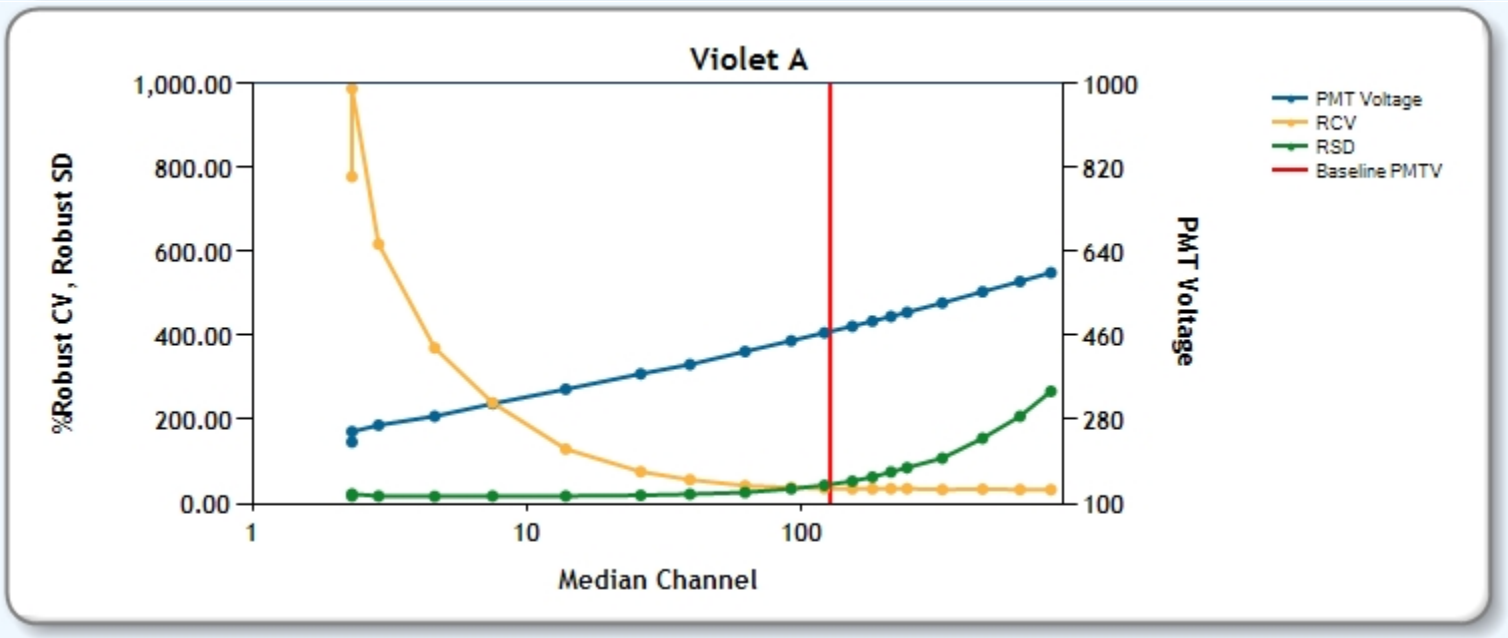

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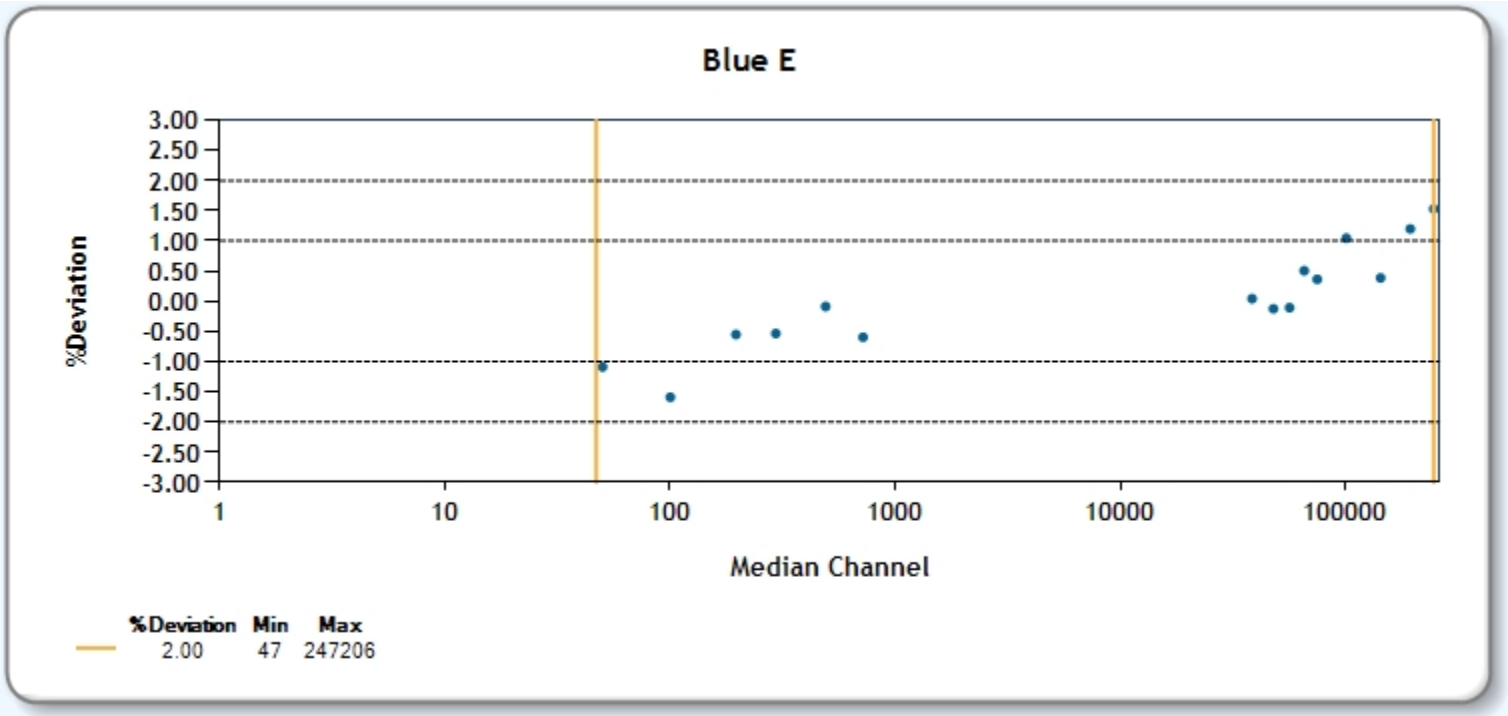
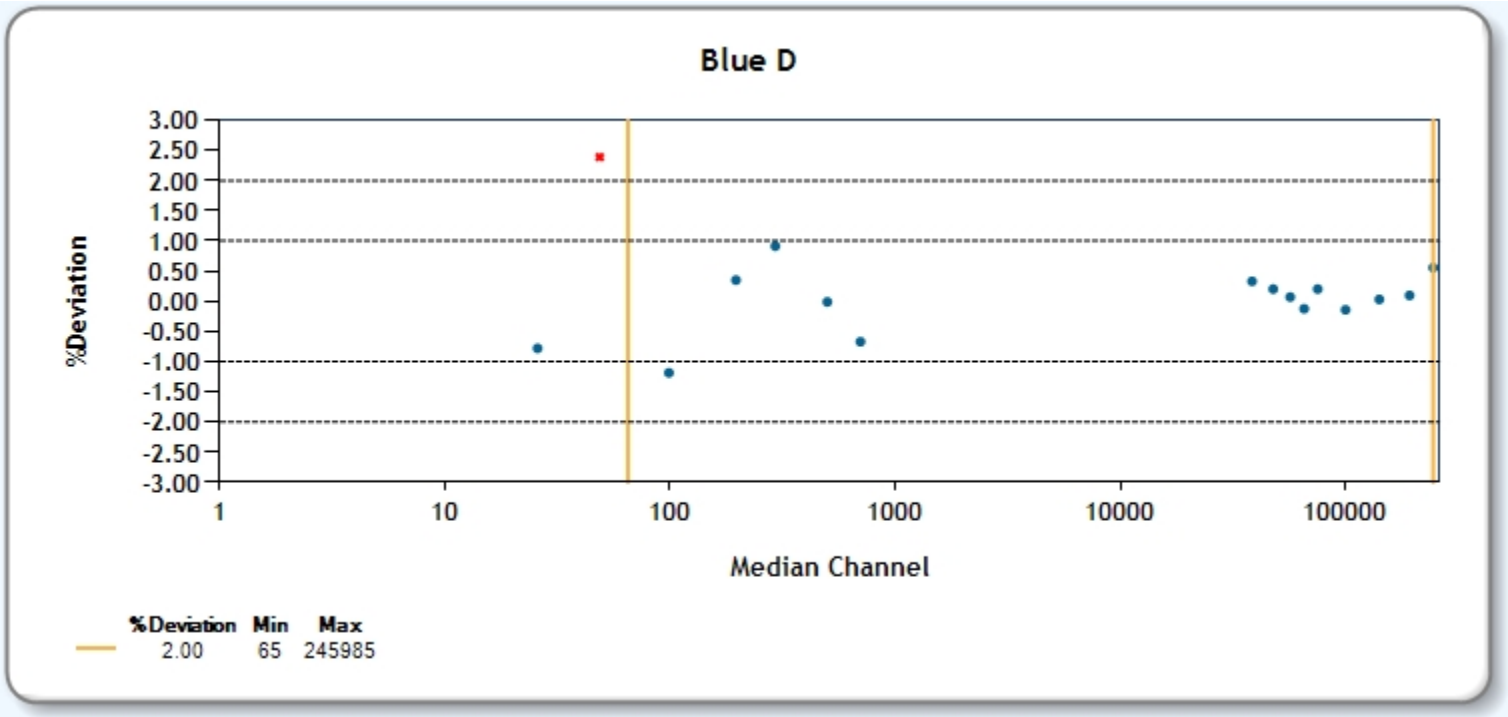
Linearity Results





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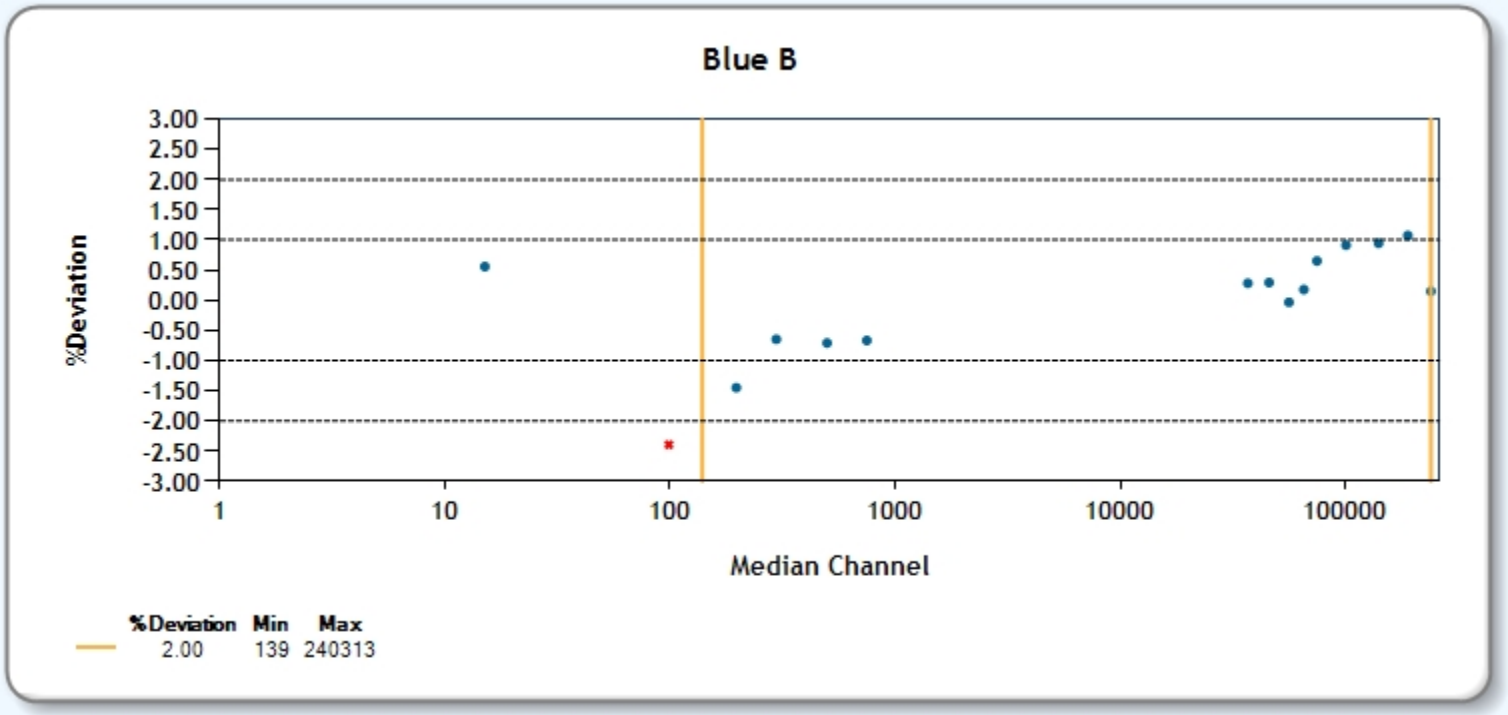

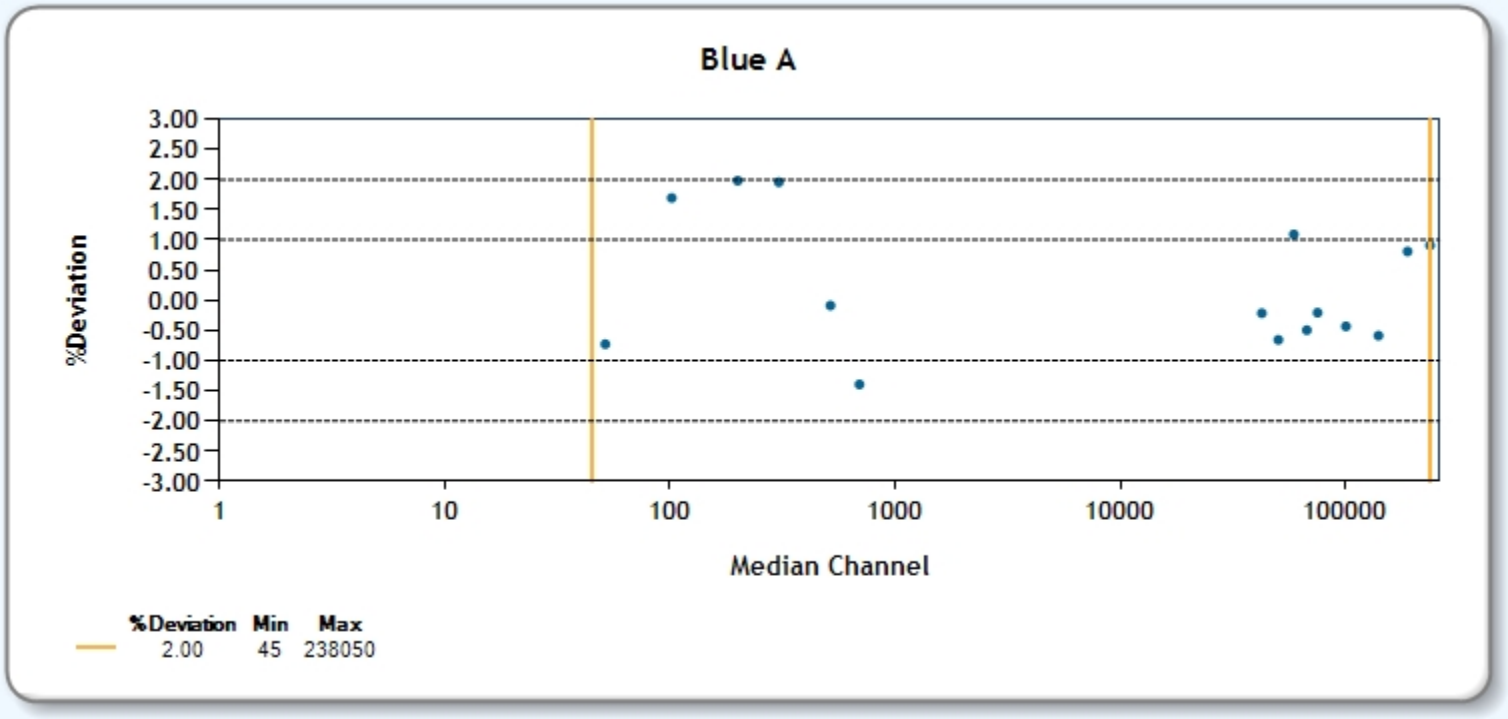

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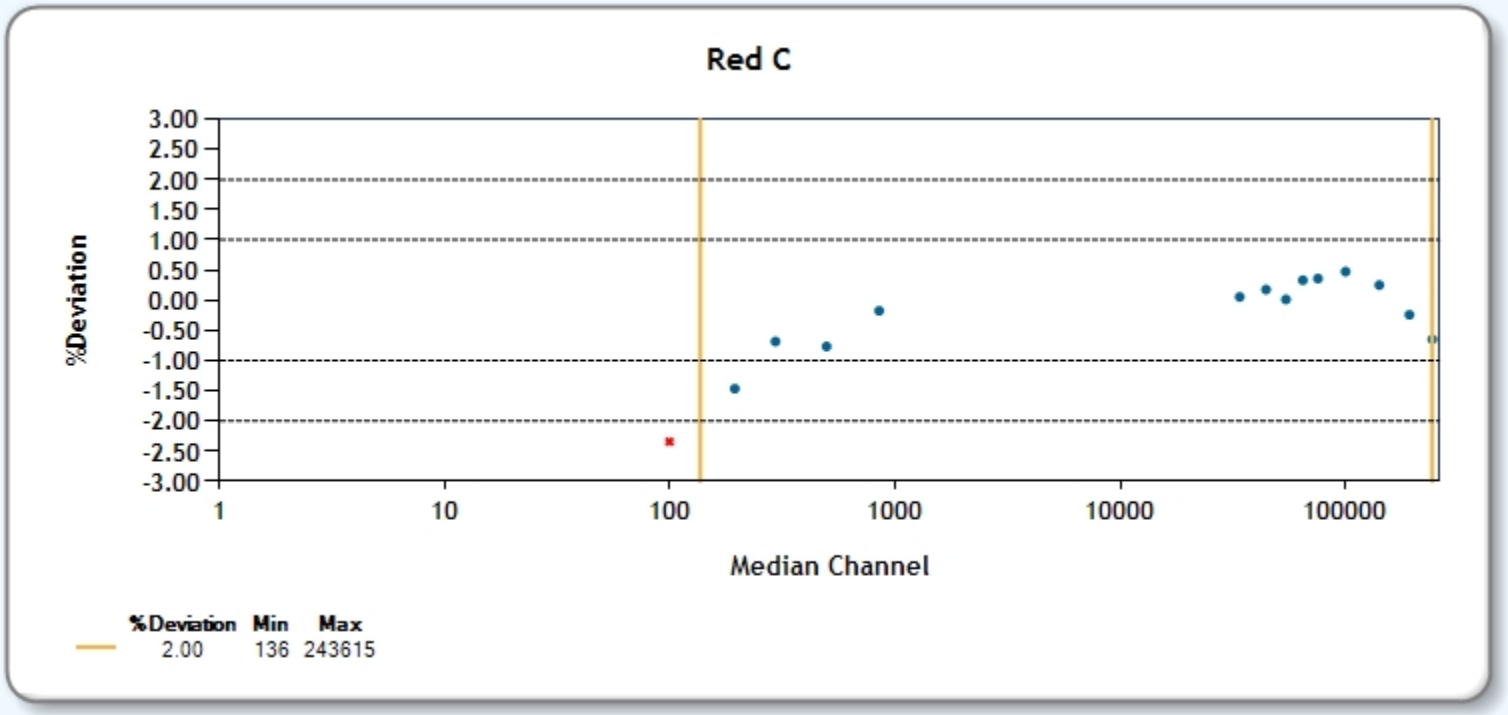

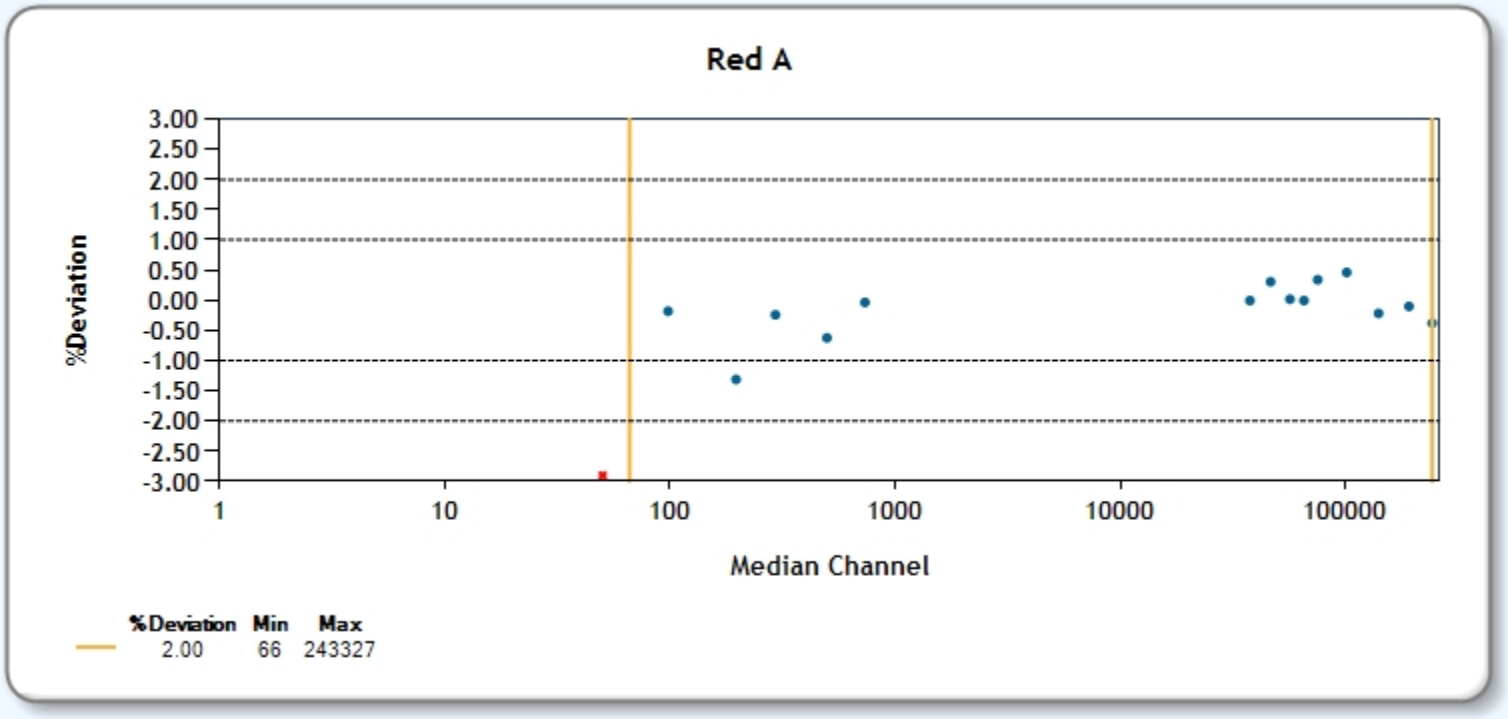

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